

Peter Lee

portfolio www.peterlee.tech

contact

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(806) 789-5268

Skills

Languages

Java, Python, C/C++, Javascript, SQL, Latex

Frameworks

Meteor, MEAN stack, jQuery, Materialize, OpenCV, TensorFlow, MXNet

Project Workflow

Webpack, Github, Heroku, Linux

Design

Photoshop, Illustrator, InDesign

Education

UC Berkeley

Class of 2019

B.A. Computer Science and Applied Mathematics

GPA: 3.93

Relevant Coursework

CS61A – Structure and Interpretation of Computer Programs (A+)

CS61B – Data Structures and Algorithms (A+, Ranked 3rd out of 1360)

CS70 – Discrete Math and Probability Theory

CS170 – Efficient Algorithms and Intractable Problems

CS188 – Introduction to Artificial Intelligence

Math 54/53 – Linear Algebra and Multivariate Calculus

Experience

Launchpad, www.callaunchpad.org

November 2016 – Present

Founder

- Created a student organization at UC Berkeley that explores the applications of machine learning and data science
- Received research grant with \$45,000 from Amazon AI to develop with MXNet, a deep learning framework

Virtual Reality at Berkeley, vr.berkeley.edu

September 2016 – Present

Researcher

- Developed a toolkit that enables human-computer interaction in 3D space on augmented reality platforms
- Integrated hand tracking algorithms using depth sensors, RGB cameras, and display glasses on wearable devices

Projects

Sherlock, sherlock.callaunchpad.org

December 2016 – Current

- Implemented a visual personal assistant on the web with computer vision APIs that interprets data from webcams
- Integrated computer vision based features including OCR, face recognition, and image captioning

Launchpad Web Lab, lab.callaunchpad.org

February 2017 – Current

- Created an online showcase of web experiments for members to host project demos on computer vision
- Implemented a Haar Cascade classifier in Javascript for real-time face detection through the user's webcam

Stella, github.com/callaunchpad/Stella

December 2016 – Current

- Built an artificially intelligent chrome extension using speech recognition APIs to browse the web through voice

Computer Science Mentors, csmentors.berkeley.edu

August 2016

- Designed the official website for CSM based on Google's material design principles with over 10,000+ views

Awards

Data 8 Kaggle Competition

April 2017

Champion

- Built a neural network with TensorFlow that classifies music genres based on word frequencies with 98% accuracy

Hackerrank World Cup

September 2015

Semifinalist

- Qualified for the semifinals by solving problems in C++ based on data structures and graph theory

Hack Into It

November 2015

Overall 3rd Place

- 24-hour hackathon hosted by Intuit seeking innovative methods of querying and displaying large databases

Activities

Innovative Design

September 2016 – Present

Gold Tier Member

- Provided graphic design and web development services to on-campus organizations using Adobe Illustrator

UC Berkeley Symphony Orchestra

August 2015 – May 2016

Cellist

- Performed in concerts every month with guest conductors including Gustavo Dudamel